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Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
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12568

D3562-041

Job Sheet 189309



Part No: D3562-041

Job Qty: 2 pcs

Part Name: Step Weldment



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 1/22/19

Job Tracking No:

Due Date: 2/11/19

Created By: Dara Macdonald

Type: SOLD

Description:

Note: DWG REV G IPP Rev:A New Issue 06-11-09 JLM IPP rev B ECN 987 07.10.09 EC verified by: DD IPP Rev:C ECN1048 07-12-18 DD verified by:ec IPP Rev:D 08-07-28 add chemical conversion coat DD ver:EC IPP REV:E 13.06.03 PER DWG REV.F DD VERF:JLM IPP REV:F 16.06.23 AS PER DWG REV.G DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Large Fab - Steps - 1	2 pcs	2/11/19		0.00	2.96	Large Fab - 1		
							Large Fab - 10		
							Large Fab - 2		
							Large Fab - 3		
							Large Fab - 4		
							Large Fab - 5		
							Large Fab - 6		
							Large Fab - 7		
							Large Fab - 8		
							Large Fab - 9		
110	QC 5	2 pcs	2/11/19		0.00	0.00	QC 5 - 10		She
							QC 5 - 12		
							QC 5 - 17		
							QC 5 - 18		
							QC 5 - 19		
							QC 5 - 22		
							QC 5 - 24		
							QC 5 - 3		
							QC 5 - 38		
							QC 5 - 42		
							QC 5 - 43		DAS 38 9-89
							QC 5 - 49		
							QC 5 - 51		
							QC 5 - 58		
							QC 5 - 68		
							QC 5 - 9		
							QC 5 - 50		
							QC 5 - 30		
120	Handfinish - 1-1 Chemical-	2	2/11/19		0.00	0.00	Handfinish - 1 - 1 - B4B		

B4B

pcs

Handfinish - 1 - 2 - B4B

Handfinish - 1 - 3 - B4B

Handfinish - 1 - 4 - B4B

Handfinish - 1 - 5 - B4B

Handfinish - 1 - 6 - B4B

Handfinish - 1 - 7 - B4B

Handfinish - 1 - 8 - B4B

Handfinish - 1 - 9 - B4B

Handfinish - 1 - 10 -
B4B

D.R 19/01/29

Handfinish - 1 - 11 -
B4BHandfinish - 1 - 12 -
B4BHandfinish - 1 - 13 -
B4BHandfinish - 1 - 14 -
B4BHandfinish - 1 - 15 -
B4BHandfinish - 1 - 16 -
B4BHandfinish - 1 - 17 -
B4BHandfinish - 1 - 18 -
B4BHandfinish - 1 - 19 -
B4BHandfinish - 1 - 20 -
B4BHandfinish - 1 - 21 -
B4BHandfinish - 1 - 22 -
B4B

130 QC 7

2
pcs

2/11/19

0.00 0.00

QC 7 - 10

QC 7 - 13

QC 7 - 14

QC 7 - 15

QC 7 - 17

QC 7 - 18

QC 7 - 19

QC 7 - 2

QC 7 - 28

QC 7 - 3

QC 7 - 30

QC 7 - 34

QC 7 - 36

QC 7 - 37

QC 7 - 38

QC 7 - 41

QC 7 - 47

QC 7 - 48

QC 7 - 51

QC 7 - 58

QC 7 - 59

QC 7 - 6

QC 7 - 60

QC 7 - 9

QC 7 - 68

QC 7 - 50

QC 7 - 67

DAS
FEB 01 2019 68
9-89

140 Small Fab - 2 - B4B	2 pcs	2/11/19	0.00 4.17	Small Fab - 1 - B4B	
				Small Fab - 2 - B4B	SLU 2/18/19
				Small Fab - 3 - B4B	
				Small Fab - 4 - B4B	
				Small Fab - 5 - B4B	
				Small Fab - 6 - B4B	
				Small Fab - 7 - B4B	
150 QC 5	2 pcs	2/11/19	0.00 0.00	QC 5 - 10	
				QC 5 - 12	
				QC 5 - 17	
				QC 5 - 18	
				QC 5 - 19	
				QC 5 - 22	DAS
				QC 5 - 24	24
				QC 5 - 3	9-89
				QC 5 - 38	
				QC 5 - 42	
				QC 5 - 43	
				QC 5 - 49	
				QC 5 - 51	
				QC 5 - 58	
				QC 5 - 68	
				QC 5 - 9	
				QC 5 - 50	
				QC 5 - 30	
160 Large Fab - Steps - 2 - B4B	2 pcs	2/11/19	0.00 2.96	Large Fab - 1 - B4B	
				Large Fab - 10 - B4B	
				Large Fab - 2 - B4B	
				Large Fab - 3 - B4B	
				Large Fab - 4 - B4B	
				Large Fab - 5 - B4B	
				Large Fab - 6 - B4B	
				Large Fab - 7 - B4B	
				Large Fab - 8 - B4B	
170 QC 10	2 pcs	2/11/19	0.00 0.00	Large Fab - 9 - B4B	SLU
				QC 10 - 10	
				QC 10 - 18	
				QC 10 - 24	
				QC 10 - 38	
				QC 10 - 43	DAS
				QC 10 - 50	24
				QC 10 - 58	9-89
				QC 10 - 9	
180 QC 5	2 pcs	2/11/19	0.00 0.00	QC 5 - 10	
				QC 5 - 12	
				QC 5 - 17	
				QC 5 - 18	
				QC 5 - 19	
				QC 5 - 22	DAS
				QC 5 - 24	24
				QC 5 - 3	9-89
				QC 5 - 38	
				QC 5 - 42	
				QC 5 - 43	
				QC 5 - 49	
				QC 5 - 51	
				QC 5 - 58	
				QC 5 - 68	
				QC 5 - 9	

				QC 5 - 50	
				QC 5 - 30	
190 Handfinish - 1-2- Chemical-B4B	2 pcs	2/11/19	0.00 0.46	Handfinish - 1 - 1 - B4B	
				Handfinish - 1 - 2 - B4B	
				Handfinish - 1 - 3 - B4B	
				Handfinish - 1 - 4 - B4B	
				Handfinish - 1 - 5 - B4B	
				Handfinish - 1 - 6 - B4B	
				Handfinish - 1 - 7 - B4B	
				Handfinish - 1 - 8 - B4B	
				Handfinish - 1 - 9 - B4B	
				Handfinish - 1 - 10 - B4B	D.R 19/2/13
				Handfinish - 1 - 11 - B4B	
				Handfinish - 1 - 12 - B4B	
				Handfinish - 1 - 13 - B4B	
				Handfinish - 1 - 14 - B4B	
				Handfinish - 1 - 15 - B4B	
				Handfinish - 1 - 16 - B4B	
				Handfinish - 1 - 17 - B4B	
				Handfinish - 1 - 18 - B4B	
				Handfinish - 1 - 19 - B4B	
				Handfinish - 1 - 20 - B4B	
				Handfinish - 1 - 21 - B4B	
				Handfinish - 1 - 22 - B4B	
200 Powdercoat - 1 White Gl(A)-B4B	2 pcs	2/11/19	0.00 0.55	Powdercoat - 1 - B4B	
				Powdercoat - 2 - B4B	
				Powdercoat - 3 - B4B	Bk 19-02-14
				Powdercoat - 4 - B4B	
START: 10:05 AM 300° FINISH: 10:35					
210 Handfinish - 3-1- WingWalk-B4B	2 pcs	2/11/19	0.00 0.46	Handfinish - 3 - 1 - B4B	M 19-2-14
				Handfinish - 3 - 2 - B4B	
				Handfinish - 3 - 3 - B4B	
				Handfinish - 3 - 4 - B4B	
				Handfinish - 3 - 5 - B4B	
215 QC 3	2 pcs	2/11/19	0.00 0.00	QC 3 - 10	
				QC 3 - 13	
				QC 3 - 15	
				QC 3 - 17	
				QC 3 - 18	
				QC 3 - 2	
				QC 3 - 26	
				QC 3 - 28	
				QC 3 - 3	
				QC 3 - 30	
				QC 3 - 34	
				QC 3 - 36	
				QC 3 - 38	
				QC 3 - 41	
				QC 3 - 51	
				Plex 1/22/19 1:41 PM Dart.Macdonald.Dara	

230 Packaging 3-1 - Stock - B4B	2 pcs	2/11/19	0.00 0.00	QC 3 - 58		
				QC 3 - 59		
				QC 3 - 6	DAS	
				QC 3 - 68	40	
				QC 3 - 9	9-89	MAR 05 2019
				Packaging 3 - 1 - B4B		
				Packaging 3 - 2 - B4B		
				Packaging 3 - 3 - B4B		
				Packaging 3 - 4 - B4B		
				Packaging 3 - 5 - B4B	DAS	
				Packaging 3 - 6 - B4B	28	
				Packaging 3 - 7 - B4B	9-89	
				Packaging 3 - 8 - B4B		
				Packaging 3 - 9 - B4B		
				Packaging 3 - 10 - B4B		
				Packaging 3 - 11 - B4B		
				Packaging 3 - 12 - B4B		
				Packaging 3 - 13 - B4B		
				Packaging 3 - 14 - B4B		
				Packaging 3 - 15 - B4B		
240 QC 21 - SA	2 pcs	2/11/19	0.00 0.00	Packaging 3 - 16 - B4B		
				Packaging 3 - 17 - B4B		
				Packaging 3 - 18 - B4B		
				Packaging 3 - 19 - B4B		
				Packaging 3 - 20 - B4B		
				Packaging 3 - 21 - B4B		
				Packaging 3 - 22 - B4B		
				Packaging 3 - 23 - B4B		
				Packaging 3 - 24 - B4B		
				Packaging 3 - 25 - B4B		
				Packaging 3 - 26 - B4B		
				Packaging 3 - 27 - B4B		
				Packaging 3 - 28 - B4B		
				Packaging 3 - 29 - B4B		
				Packaging 3 - 30 - B4B		
				Packaging 3 - 31 - B4B		
				Packaging 3 - 32 - B4B		
				Packaging 3 - 33 - B4B		
				Packaging 3 - 34 - B4B		
				Packaging 3 - 35 - B4B	DAS	
240 QC 21 - SA	2 pcs	2/11/19	0.00 0.00	QC 21 - SA - 21	21	
				QC 21 - SA - 70	9-89	MAR 07 2019

Part Op 100 - (Fabricate per Drwg), 1-Cut D2622 extrusion as per Dwg D3562
 Descriptions: 110 - (QC5- Inspect part completeness to step on W/O)
 120 - (Chemical Conversion Coat per QSI005 4.1)
 130 - (QC7-Inspect Chemical Conversion Coat)
 140 - 1- Transfer drill Rivet holes as per dwg D3562. 2-Touch-up rivet holes with alodine as per dwg d3562 3-Rivet legs using Scotch-Weld as per dwg D3562. *****Ensure to wipe off any excess magnobond ***** A/R Scotch-Weld DP460
 Batch: _____ EXP DATE: _____
 150 - (QC5- Inspect part completeness to step on W/O)
 160 - (Weld per dwg A/R Aluminum rod Batch: 138872), 1-Weld end caps as per Dwg d3562 & QSI 004. Inspect for foreign objects as per QSI 024. 2-Grind end cap welds flush as per Dwg D3562
 170 - (QC10- Inspect visual per QSI004- ground welds)
 180 - (QC5- Inspect part completeness to step on W/O)
 190 - (Chemical Conversion Coat per QSI005 4.1)
 200 - (White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum), START TIME: _____
 210 - (Wing Walk as per dwg QSI005 4.4 Batch 51361854)
 215 - (QC3- Inspect Part Finish)
 230 - (Identify as per dwg & Stock Location: _____)
 240 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D2622-120C	Step Extrusion	2 pcs (1 ea)	100-Large Fab - Steps - 1	S104007
D2734	Step End Plate	4 pcs (2 ea)	140-Small Fab - 2 - B4B	S128761
D3560-041	Arm Weldment	2 pcs (1 ea)	140-Small Fab - 2 - B4B	08073526 0515 1315
D3560-043	Arm Weldment	2 pcs (1 ea)	140-Small Fab - 2 - B4B	S151317
MS20600-AD4W4	Rivet	64 Ea (32 ea)	140-Small Fab - 2 - B4B	S117999

Job Allocations

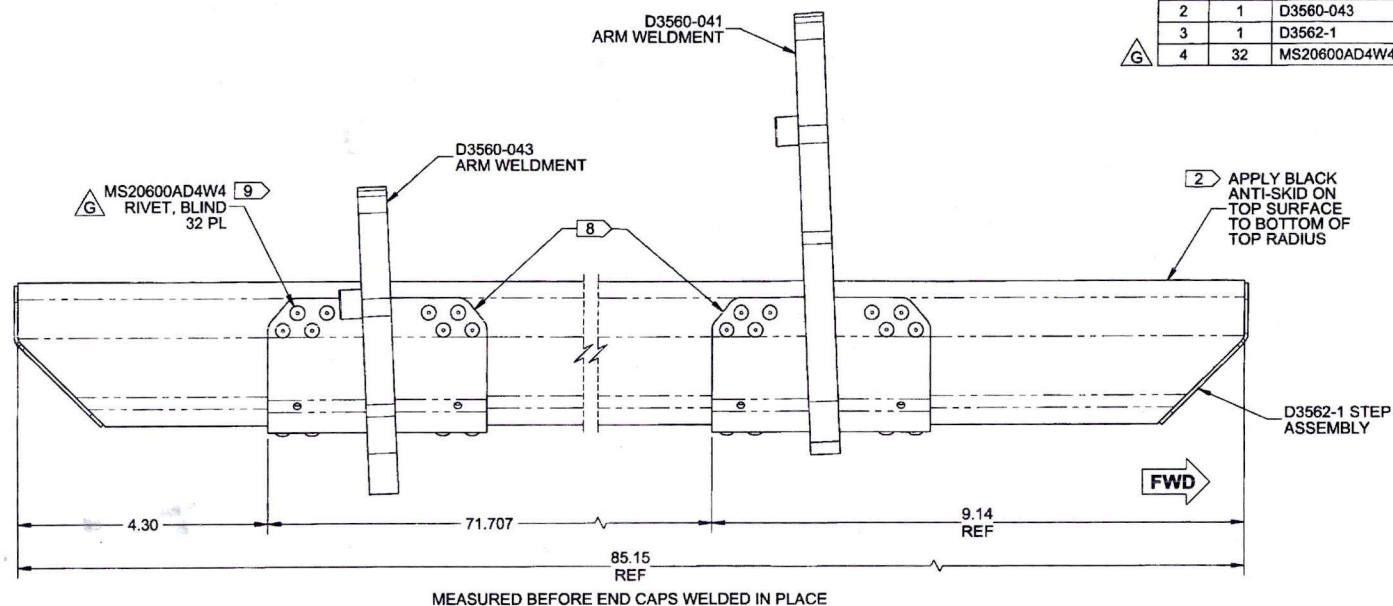
Operation	Component Part	Required	Inventory	Allocated
100-Large Fab - Steps - 1	D2622-120C	2	284	0
140-Small Fab - 2 - B4B	D2734	4	41	0
	D3560-041	2	5	0
	D3560-043	2	4	0
	MS20600-AD4W4	64	4,572	0

Part Specifications

Specifications could not be found.

Plex 1/22/19 1:41 PM Dart.Macdonald.Dara

ITEM	QTY -041	P/N	DESCRIPTION
	X	D3562-041	LH STEP ASSEMBLY
1	1	D3560-041	ARM WELDMENT
2	1	D3560-043	ARM WELDMENT
3	1	D3562-1	STEP ASSEMBLY
4	32	MS20600AD4W4	RIVET, BLIND

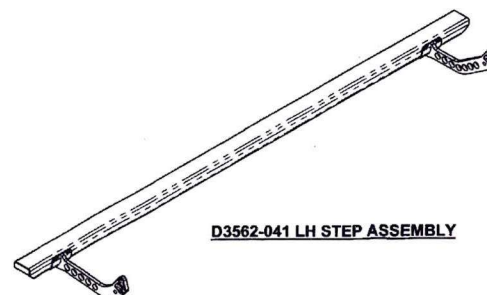


RELEASED

2016 JUN 22
E.N. H-68

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH:
 - i) POWDER COAT ASSEMBLY:
 - GLOSS WHITE (4.3.5.1) OR
 - GREY SANDTEX (4.3.5.6) OR
 - BLACK SANDTEX (4.3.5.7) OR
 - GREEN SANDTEX (4.3.5.8) PER DART QSI 005 4.3
 - ii) BLACK ANTI-SKID PAINT PER DART QSI 005 4.4
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 8.80 lbs
- 8) INSTALL ARM WELDMENTS WITH A LAYER OF SCOTCH-WELD DP460 BETWEEN THE ARM WELDMENT AND STEP EXTRUSION. FILL ANY TOOLING HOLES WITH SCOTCH-WELD DP460. CLEAN OFF EXCESS BEFORE POWDER COATING.
- 9) TRANSFER DRILL #30 DEBURR & TOUCH UP HOLES WITH CHEMICAL CONVERSION COAT BEFORE RIVETING

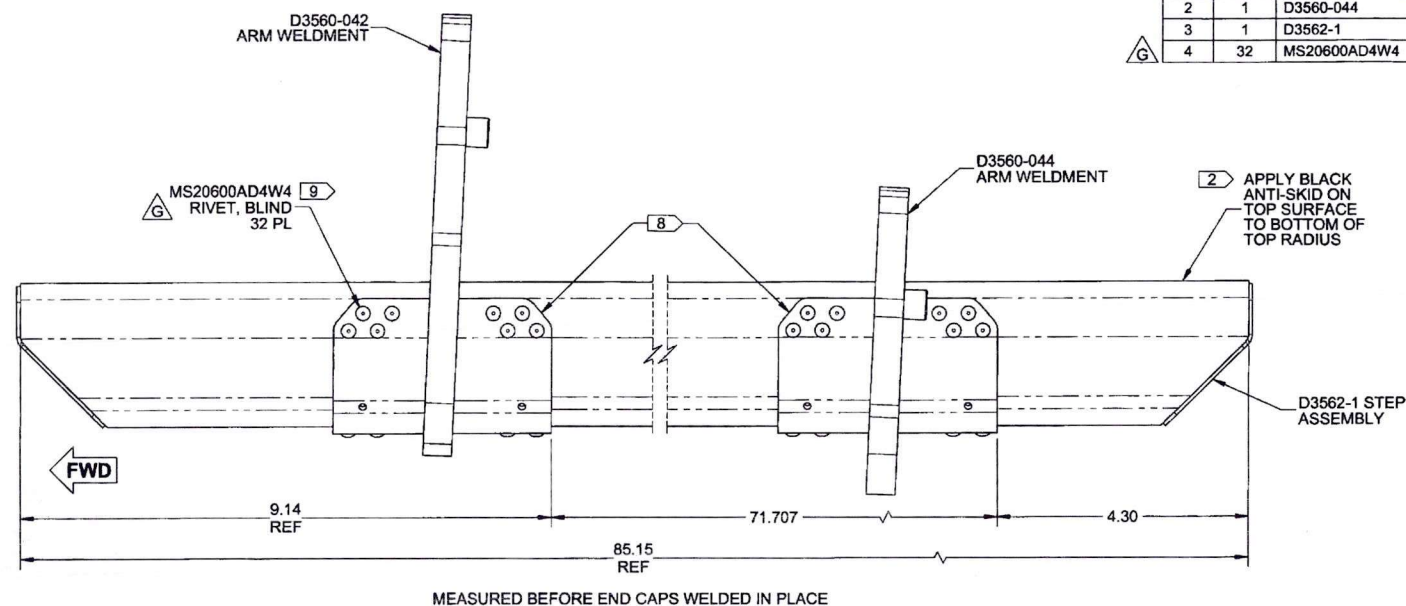


D3562-041 LH STEP ASSEMBLY

G	MS20600AD4W4 WAS MS20600AD4WS. REF. PART16-517.	MB	16.04.21
F	REVISED NOTE 8 TO REMOVE MAGNOBOND, REPLACE WITH SCOTCH-WELD DP460, REF. PART12-224, ADDED NOTE 9 AND SHEET 2	DW	13.05.15
E	ADD QTY(2) TO D2734 END PLATE ON D3562-042	PH	08.01.11
D	REMOVE D2808 SPACER NOTE; REDRAW IN SOLIDWORKS	DC	07.11.16
C	NOW MAGNOBOND, ADD D2808, REMOVE 4 RIVETS	CP	07.06.19
B	ARMS NOW RIVETED TO STEP	CP	07.01.15
A	NEW ISSUE	CP	06.09.26
REV.	DESCRIPTION	BY	DATE
DESIGN	CP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. D3562 TITLE STEP ASSEMBLY SCALE NTS	
DRAWN	MB		
CHECKED	ML		
MFG. APPR.	DD		
APPROVED	WM		
DE APPR.	DS	DATE 16.04.21 COPYRIGHT © 2006 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR DISCLOSED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	
DATE	16.04.21		

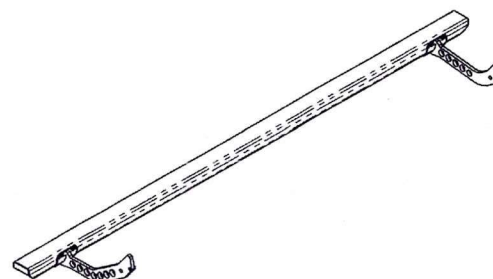
APPROVED

ITEM	QTY	P/N	DESCRIPTION
	X	D3562-042	RH STEP WELDMENT
1	1	D3560-042	ARM WELDMENT
2	1	D3560-044	ARM WELDMENT
3	1	D3562-1	STEP ASSEMBLY
4	32	MS20600AD4W4	RIVET, BLIND



NOTES:

- 1) MATERIAL: N/A
- 2) FINISH:
 - i) POWDER COAT ASSEMBLY:
 - GLOSS WHITE (4.3.5.1) OR
 - GREY SANDEXT (4.3.5.6) OR
 - BLACK SANDEXT (4.3.5.7) OR
 - GREEN SANDEXT (4.3.5.8) PER DART QSI 005 4.3
 - ii) BLACK ANTI-SKID PAINT PER DART QSI 005 4.4
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 8.80 lbs
- 8) INSTALL ARM WELDMENTS WITH A LAYER OF SCOTCH-WELD DP460 BETWEEN THE ARM WELDMENT AND STEP EXTRUSION. FILL ANY TOOLING HOLES WITH SCOTCH-WELD DP460. CLEAN OFF EXCESS BEFORE POWDER COATING.
- 9) TRANSFER DRILL #30 DEBURR & TOUCH UP HOLES WITH CHEMICAL CONVERSION COAT BEFORE RIVETING



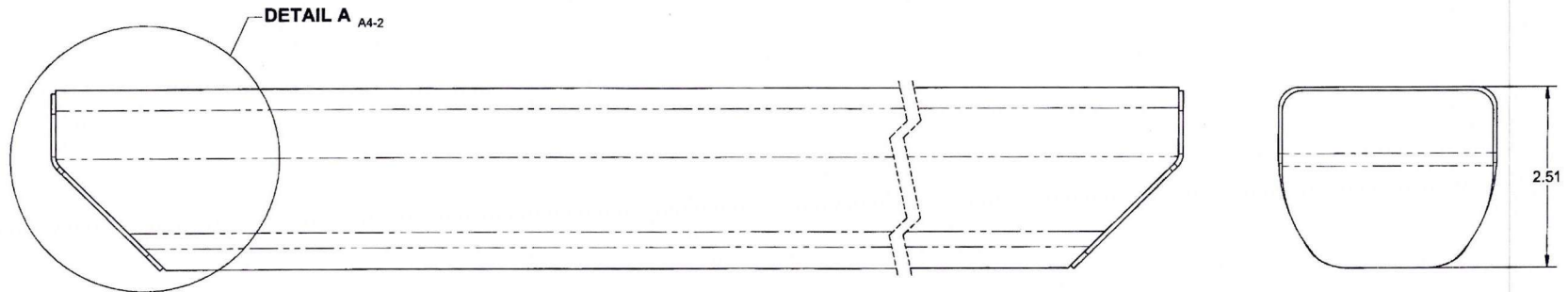
D3562-042 RH STEP ASSEMBLY

RELEASED

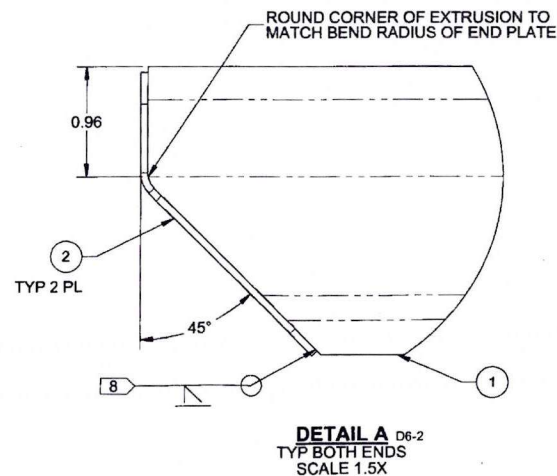
2016 JUN 22

DESIGN	CP	DART AEROSPACE LTD	
DRAWN	MB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	ML	DRAWING NO.	REV. G
MFG. APPR.	DD	D3562	SHEET 2 OF 3
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	STEP ASSEMBLY	NTS
DATE	16.04.21	COPYRIGHT © 2006 BY DART AEROSPACE LTD	
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ITEM	QTY	P/N	DESCRIPTION
	X	D3562-1	STEP ASSEMBLY
1	A/R	D2622-XXX	STEP EXTRUSION
2	2	D2734	END PLATE



D3562-1 STEP ASSEMBLY



RELEASED

2016 JUN 22 *ap*

NOTES:

- 1) MATERIAL: MAKE FROM D2622 EXTRUSION
- 2) FINISH: CHEMICAL CONVERSION COAT STEP EXTRUSION
PER DART QSI 005 4.1 BEFORE ASSEMBLY
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 6.68 lbs
- 8) WELDING: ALL WELDS SHALL BE 100% VISUALLY INSPECTED
BY A QUALIFIED INSPECTOR PER DART QSI 004

APPROVED

DESIGN	CP	DART AEROSPACE LTD	
DRAWN	MB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	ML	DRAWING NO.	REV. G
MFG. APPR.	DD	D3562	SHEET 3 OF 3
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	STEP ASSEMBLY	NTS
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Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐ ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled		FAULT CATEGORY ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					



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Container No: S148927



Part: D3562-041

Job No: 189309

Serial No/Batch: S148927

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Date: 01/29/19